CLAIMS

1  1. A method for efficiently transmitting to a client a content update, the method comprising
2     the steps of:
3     a) hosting for transmission a content update comprising a plurality of data files;
4     b) identifying a subset of the plurality of data files comprising the content update as
5        high-quality data files;
6     c) creating a high-quality content update comprising the identified high-quality data
7        files;
8     d) receiving a client connection request;
9     e) determining that high-quality data files are to be transmitted to the client;
10    f) transmitting data files from the high-quality content update; and
11    g) transmitting the remaining data files comprised in the content update.

1  2. The method of claim 1 wherein step a) comprises storing on a network storage device a
2     content update comprising a plurality of data files.

1  3. The method of claim 1 wherein step b) comprises identifying a subset of the plurality of
2     data files comprising the content update as high-quality data files using a data quality
3     function.

1  4. The method of claim 3 wherein the plurality of data files contained in the content update
2     are sorted by data quality and a certain fixed percentage of the highest quality data
3     components are separated as high-quality data files.

1  5. The method of claim 3 wherein the data quality function is based on the sizes of the
2     plurality of data files.

1  6. The method of claim 1 further comprising the step of removing the high-quality data files
2     from the content update.

1    7. The method of claim 1 wherein step e) comprises determining that the received request
2       includes a bit value indicating high-quality files should be transferred.

1    8. A method for efficiently transmitting a content update from a server to a client, the
2       method comprising:
3       a)  the server hosting a content update comprising a plurality of data files;
4       b)  identifying a subset of the plurality of data files comprising the content update as
5           high-quality data files;
6       c)  creating, by the server, a high-quality content update comprising the identified high-
7           quality data files;
8       d)  the client requesting a connection with the server;
9       e)  determining, by the server, that high-quality data files should be transmitted to the
10          client;
11      f)  the client receiving data files from the high-quality content update to the client; and
12      g)  the client receiving the remaining data files comprised in the content update to the
13          client.

1    9. The method of claim 8 wherein step a) comprises storing on a network storage device a
2       content update comprising a plurality of data files.

1    10. The method of claim 8 wherein step b) comprises identifying a subset of the plurality of
2        data files as high-quality data files using a data quality function.

1    11. The method of claim 9 wherein the plurality of data files contained in the content update
2        are sorted by data quality and a certain fixed percentage of the highest quality data
3        components are separated as high-quality data files.

1    12. The method of claim 9 wherein the data quality function is based on the sizes of the
2        plurality of data files.

1     13. The method of claim 8 further comprising the step of removing the high-quality data files

2          from the content update.

1     14. The method of claim 8 wherein step e) comprises determining that the received request

2          includes a bit value indicating high-quality files should be transferred.

1     15. A computer based content updating apparatus comprising:

2          a non-volatile memory element storing a content update comprising a plurality of data

3             files;

4          a processor in electrical communication with the non-volatile memory element

5             identifying a subset of the data files in the content update as high-quality data

6             files, separating the high-quality data files from the content update, and storing in

7             the non-volatile memory element a high-quality content update comprising the

8             separated high-quality data files; and

9          a transceiver in electrical communication with the non-volatile memory element and

10             the processor, the transceiver receiving a connection request from a remote client

11             on a network;

12     wherein the processor determines that high-quality data files are to be transmitted to the

13     client and the transceiver transmits data files from the high-quality content update and the

14     remaining data files comprising the content update.

1     16. The apparatus of claim 15 wherein the processor identifies a subset of the plurality of data

2          files as high-quality data files using a data quality function.

1     17. The apparatus of claim 15 wherein the processor removes the high-quality data files from

2          the content update.

1     18. The apparatus of claim 15 wherein the connection request from a remote client received

2          by the transceiver includes a bit value indicating high-quality files should be transferred.

1    19. The apparatus of claim 15 wherein the non-volatile memory element comprises a network

2          storage device.

1    20. The apparatus of claim 15 wherein the non-volatile memory element is associated with a

2          first computer, the processor is associated with a second computer, the transceiver is

3          associated with a third computer, and the first computer, second computer, and third

4          computer are in electrical connection with each other over a network.